

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application. Per the claim objections in the Office Action of October 18, 2005, misnumbered Claims 20 to 31 have been renumbered as Claims 19 to 30, respectively, as a Claim 19 was omitted in the application as originally filed.

LISTING OF CLAIMS

1. (currently amended) An abrasion-resistant tubular sleeve comprising:
a monofilament yarn forming a first weft in a fabric cloth;
a first multifilament yarn forming a second weft in said fabric cloth; and
a set of knitted warps including a plurality of textured second multifilament yarns forming a chain stitch lap in said fabric cloth;
wherein said fabric cloth is heat set into a resilient tubular sleeve.

2. (currently amended) The abrasion-resistant tubular sleeve of claim 1 wherein said monofilament yarn is selected from the group consisting of a polyester yarn, a polyamide yarn, a polyethylene terephthalate yarn, a polyphenylene sulfide yarn, a polyphenylene sulfide with ~~Teflon~~ polytetrafluoroethylene yarn and a polyester over polyamide yarn.

3. (original) The abrasion-resistant tubular sleeve of claim 2 wherein said monofilament yarn comprises a Nylon 6/6 yarn having a diameter in the range of 7 to 15 mils.

4. (original) The abrasion-resistant tubular sleeve of claim 1 wherein said first multifilament yarn comprises a textured multifilament yarn.

5. (currently amended) The abrasion-resistant tubular sleeve of claim 4 wherein said textured multifilament is selected from the group consisting of a polyamide yarn, a polyester yarn, a ~~Nomex®/Basofil®~~ synthetic aromatic polyamide/melamine-formaldehyde based fiber blend yarn and a stainless steel/polyester blend yarn.

6. (original) The abrasion-resistant tubular sleeve of claim 5 wherein said first multifilament yarn comprises a Nylon 6/6 yarn having a denier in the range of about 1000D–2000D.

7. (cancelled)

8. (currently amended) The abrasion-resistant tubular sleeve of claim ~~[[7]]~~ 1 wherein said second multifilament yarn is selected from the group consisting of a polyamide yarn, a polyester yarn, a ~~Nomex®/Basofil®~~ synthetic aromatic polyamide/melamine-formaldehyde based fiber blend yarn and a stainless steel/polyester blend yarn.

9. (original) The abrasion-resistant tubular sleeve of claim 8 wherein said second multifilament yarn comprises a Nylon 6/6 yarn having a denier of in the range of about 100D-400D.

10. (original) The abrasion-resistant tubular sleeve of claim 1 further comprising a set of placed warps including a plurality of third multifilament yarns forming a lay-in stitch lap in said fabric cloth.

11. (original) The abrasion-resistant tubular sleeve of claim 10 wherein said third multifilament yarn comprises a textured multifilament yarn.

12. (currently amended) The abrasion-resistant tubular sleeve of claim 11 wherein said third multifilament yarn is selected from the group consisting of a polyamide yarn, a polyester yarn, and a ~~Nomex®/Basofil®~~ synthetic aromatic polyamide/melamine-formaldehyde based fiber blend yarn.

13. (original) The abrasion-resistant tubular sleeve of claim 12 wherein said third multifilament yarn comprises a Nylon 6/6 yarn having a denier in the range of about 50D-400D.

14. (currently amended) The abrasion-resistant tubular sleeve of claim 1 further comprising a set of placed warps including a plurality of ~~third~~ yarns forming a lay-in stitch lap in said fabric, wherein said ~~third~~ yarn is a ~~polyester over polyethylene~~

~~terephthalate~~ monofilament yarn having a polyethylene terephthalate core with a polyester covering.

15. (original) The abrasion-resistant tubular sleeve of claim 1 wherein said monofilament yarn, said first multifilament yarn and said second multifilament yarn are treated with a flame-retardant composition to provide a self-extinguishing, no-burn-rate tubular sleeve.

16. (original) An abrasion-resistant tubular sleeve comprising:
a Nylon 6/6 monofilament yarn having a diameter of about 10 mils forming a first weft in a fabric cloth;
a first Nylon 6/6 textured multifilament yarn having a denier of about 2000D forming a second weft in said fabric cloth; and
a set of knitted warps including a plurality of second Nylon 6/6 textured multifilament yarns having a denier of about 400D forming a chain stitch lap in said fabric cloth;
wherein said fabric cloth is heat set into a resilient tubular sleeve.

17. (original) The abrasion-resistant tubular sleeve of claim 16 further comprising a set of placed warps including a plurality of third Nylon 6/6 textured multifilament yarns having a denier of about 100D forming a lay-in stitch lap in said fabric cloth.

18. (currently amended) The abrasion-resistant tubular sleeve of claim 16 wherein said Nylon 6/6 monofilament yarn includes ~~[[a]]~~ an inner core of Nylon 6/6 and an outer shell of a polyester.

19. (original) A flame-retardant, abrasion-resistant tubular sleeve comprising:
a flame-retardant polyethylene terephthalate monofilament yarn having a diameter of about 10 mils forming a first weft in a fabric cloth;
a flame-retardant polyester textured multifilament yarn having a denier of about 2000D forming a second weft in said fabric cloth; and
a set of knitted warps including a plurality of second flame-retardant polyester textured multifilament yarns having a denier of about 400D forming a chain stitch lap in said fabric cloth;
wherein said fabric cloth is heat set into a resilient tubular sleeve.

20. (currently amended) The flame-retardant, abrasion-resistant tubular sleeve of claim [20] 19 further comprising a set of placed warps including a plurality of third flame-retardant polyester textured multifilament yarns having a denier of about 100D forming a lay-in stitch lap in said fabric cloth.

21. (currently amended) A high-temperature, abrasion-resistant tubular sleeve comprising:
a polyphenylene sulfide monofilament yarn having a diameter of about 10 mils forming a first weft in a fabric cloth;

a first ~~Nomex®/Basofil®~~ synthetic aromatic polyamide/melamine-formaldehyde based fiber textured blend multifilament yarn having a denier of about 2000D forming a second weft in said fabric cloth; and

a set of knitted warps including a plurality of second ~~Nomex®/Basofil®~~ synthetic aromatic polyamide/melamine-formaldehyde based fiber textured blend multifilament yarns having a denier of about 400D forming a chain stitch lap in said fabric cloth;

wherein said fabric cloth is heat set into a resilient tubular sleeve.

22. (currently amended) The high-temperature, abrasion-resistant tubular sleeve of claim [[22]] 21 further comprising a set of placed warps including a plurality of third ~~Nomex®/Basofil®~~ synthetic aromatic polyamide/melamine-formaldehyde based fiber textured multifilament blend yarns having a denier of about 100D forming a lay-in stitch lap in said fabric cloth.

23. (currently amended) The high-temperature, abrasion-resistant tubular sleeve of claim [[22]] 21 wherein said polyphenylene sulfide monofilament yarn is a polyphenylene sulfide with ~~Teflon~~ polytetrafluoroethylene monofilament yarn.

24. (currently amended) A shielded, abrasion-resistant tubular sleeve comprising:

a Nylon 6/6 monofilament yarn having a diameter of about 10 mils forming a first weft in a fabric cloth;

a first stainless steel/polyester blend multifilament yarn having a denier of about 2000D forming a second weft in said fabric cloth; and

a set of knitted warps including a plurality of stainless steel polyester blend multifilament yarns having a denier of about 400D forming a chain stitch lap in said fabric cloth; and

a set of placed warps including a plurality of polyester textured multifilament yarns having a denier of about 100D forming a lay-in stitch lap in said fabric cloth;

wherein said fabric cloth is heat set into a resilient tubular sleeve.

25. (cancelled)

26. (currently amended) The shielded, abrasion-resistant tubular sleeve of claim [[25]] 24 further comprising a set of placed warps including a plurality of ~~polyester~~ over polyethylene terephthalate monofilament yarns having a polyethylene terephthalate core with a polyester covering and a diameter of about 10 mils forming a lay-in stitch lap in said fabric cloth.

27. (currently amended) The shielded, abrasion-resistant tubular sleeve of claim [[25]] 24 wherein said Nylon 6/6 monofilament yarn includes a inner core of Nylon 6/6 and an outer shell of polyester.

28. (withdrawn) A method of forming an abrasion resistant tubular sleeve comprising:

- preparing a fabric cloth by chain-stitching a first set of multifilament warps on a set of wefts including a monofilament weft and a multifilament weft;
- positioning said fabric onto over a mandrel to form a tubular fabric sleeve;
- and
- resiliently setting said tubular fabric sleeve on said mandrel.

29. (withdrawn) The method of claim 28 wherein resiliently setting said tubular fabric sleeve comprises heating and subsequently cooling said tubular fabric sleeve on said mandrel.

30. (withdrawn) The method of claim 28 further comprising preparing said fabric cloth by lay-in stitching a second set of multifilament warps on said set of wefts.